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|--------------|---|---|--|
| 7:30         | Registration  |  <p><b>Space Communications and Navigation<br/>SBIR Commercialization Workshop</b></p> <p>August 25, 2011</p> |  |
| 8:30         | Welcome<br>Glenn Research Center Management (Ballroom)  |   |  |
| 8:45         | SCaN Presentations (Ballroom)   |   |  |
| 9:30         | Break   |   |  |
| <b>Track</b> | <b>A</b>  | <b>B</b>  |  |
| 9:40         | <b>A1:</b> Reconfigurable, Software defined Radio<br><i>Intelligent Automation, Inc.</i>  | <b>B1:</b> Fiber Laser Transmitters for Space Lasercom and Lidar Application<br><i>Fibertek, Inc.</i>   |  |
| 10:00        | <b>A2:</b> Electronically Steerable Antennas with Panoramic Scan Field of View<br><i>Freeform Wave Technologies</i>   | <b>B2:</b> Security Enhanced Autonomous Management for Space Networking<br><i>Intelligent Automation, Inc.</i>  |  |
| 10:20        | <b>A3:</b> High Efficiency, High Power Ka-Band Elliptic-Beam Helix Traveling Wave Tube Amplifier for Long-Range Space RF Communications<br><i>Beam Power Technology, Inc.</i> | <b>B3:</b> Fiber Optic Sensing and Monitoring Technology for Aviation & Space Application<br><i>Intelligent Fiber Optic System Corporation</i>  |  |
| 10:40        | <b>A4:</b> Resilient: Software Defined Radio for Space<br><i>MaXentric Technologies</i>   | <b>B4:</b> Nanorack technology<br><i>Nanoracks, LLC</i>   |  |
| 11:00        | <b>A5:</b> Precision Time Protocol (PTP) Based Trilateration For Planetary<br><i>Progeny Systems, Inc.</i>  | <b>B5:</b> NanoRacks Compatible Control Module<br><i>Entropy Engineering</i>  |  |
| 11:20        | <b>A6:</b> Minimizing Implementation Loss in Soft-Decision GMSK Demodulators<br><i>ORB Analytics, Inc.</i>  | <b>B6:</b> Improved Metal-Polymeric Laminate Radiation Shielding and Aerogel Modified Structural Thermal Protection System<br><i>Powdermet, Inc.</i>  |  |
| 11:40        | <b>A7:</b> FPMA (Field Programmable Microwave Array) Universal Transmit Receive Module<br><i>Spacemicro, Inc.</i>   | <b>B7:</b> Conformal Space Suit Antenna Development for Enhanced EVA Communications and Wearable Computer Applications<br><i>Applied EM</i>   |  |
| 12:00        | Lunch (Ballroom)<br>Keynote Speaker Glenn A. Delgado<br>Associate Administrator, Office of Small Business Programs  |   |  |

| Track | A  | B   |
|-------|--|---|
| 1:00  | <b>Best Practices Panel Discussion</b> (Ballroom)<br>Guest Speakers: Ryan Feeler (Northrup Grumman)<br>Howard Ross (Glenn Research Center)<br>Don Majcher (Ohio Aerospace Institute)<br>Carol Lewis (NASA SBIR)<br>John Dearborn (Jumpstart, Inc.) |    |
| 2:00  | <b>A8:</b> Large Aperture Deployable Reflectors for High Frequency RF Applications<br><i>Composite Technology Development</i>  | <b>B8:</b> QuickSAT/step_SATdb : A Web Based And Open Source Satellite Design Automation Environment<br><i>Sci_Zone, Inc.</i>           |
| 2:20  | <b>A9:</b> Fully printed flexible 4-bit 2D (4x4) 16-element phased array antenna<br><i>Omega Optics</i>  | <b>B9:</b> Affordable Processing of Silicon Carbide Mirrors<br><i>Creare, Inc.</i>  |
| 2:40  | <b>A10:</b> X-ray Pulsar Based Navigation and Timing (XNAV)<br><i>Microcosm, Inc.</i>  | <b>B10:</b> Cost effective damage- tolerant thermal insulations and adhesives for cryogenic fluid management<br><i>Applied Analytic</i> |
| 3:00  | <b>A11:</b> Environment for Design and Formal Verification of Software and Reconfigurable Processors for Space Applications<br><i>Aries Design Automation, Inc.</i>  | <b>B11:</b> Programmable High-Rate Multi-Mission Receiver for Space Communications<br><i>Summation Research Corp</i>                    |
| 3:20  | <b>A12:</b> Busek Technology<br><i>Busek Co, Inc.</i>  | <b>B12:</b> X-Ray Star Scanner<br><i>CrossTrac Engineering, Inc.</i>  |
| 3:40  | <b>A13:</b> GIRD Systems' New Radio Comm & Navigation Technologies<br><i>GIRD Systems</i>  | <b>B13:</b> Aluminum-CNF Lightweight Radiator Components<br><i>Powdermet, Inc.</i>  |
| 4:00  | <b>A14:</b> DD-Amp for Deep Space Communications<br><i>MaXentric Technologies</i>  | <b>B14:</b> A Self-healing Reconfigurable Antenna for Deep Space Long-duration Missions<br><i>Virtual EM, Inc.</i>                      |
| 4:30  | Closing (Ballroom)   |   |
| 5:00  | Adjourn  |   |

\*\* Dialogue Room will be available all day for informal one-on-one meetings.